Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2019-12-23-54** **Date: 23/12/2019**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Improvements and Maintenance of Culvert at BHEL Mini Colony and Surrounding Area in Ward No 13 Mallasandra Shettyhalli Sub Division.

Agency : Sri. D.V Kumar, #657, 5th Main Road, LG Ramanna Layout, Laggere, Bangalore-58.

Customer's Reference : EE/DD/WO/420/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-12-19

Customer ID : Culvert Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/12/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Bottom Slab Concrete	M20	16/12/2019	23/12/2019	151.94 X 150.35 X 151.77	22844	8.907	419.6	18.4	18.6
2	Culvert Bottom Slab Concrete	M20	16/12/2019	23/12/2019	149.85 X 151.30 X 151.11	22672	8.022	429.8	19.0	
3	Culvert Bottom Slab Concrete	M20	16/12/2019	23/12/2019	151.44 X 151.40 X 151.06	22927	8.974	424.7	18.5	

Note:
The results pertain to the samples received and tested.
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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2019-12-23-54** **Date: 24/12/2019**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Improvements and Maintenance of Culvert at BHEL Mini Colony and Surrounding Area in Ward No 13 Mallasandra Shettyhalli Sub Division.

Agency : Sri. D.V Kumar, #657, 5th Main Road, LG Ramanna Layout, Laggere, Bangalore-58.

Customer's Reference : EE/DD/WO/420/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 19-12-19

Customer ID : Culvert Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/12/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Side Wall Concrete	M20	17/12/2019	24/12/2019	151.41 X 150.62 X 150.49	22805	8.468	423.3	18.6	18.6
2	Culvert Side Wall Concrete	M20	17/12/2019	24/12/2019	151.84 X 150.73 X 151.39	22887	8.268	432.7	18.9	
3	Culvert Side Wall Concrete	M20	17/12/2019	24/12/2019	149.17 X 151.52 X 149.77	22601	8.275	417.4	18.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2019-12-23-54** **Date: 24/12/2019**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Improvements and Maintenance of Culvert at BHEL Mini Colony and Surrounding Area in Ward No 13 Mallasandra Shettyhalli Sub Division.

Agency : Sri. D.V Kumar, #657, 5th Main Road, LG Ramanna Layout, Laggere, Bangalore-58.

Customer's Reference : EE/DD/WO/420/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 19-12-19

Customer ID : Culvert Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/12/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Side Wall Concrete	M20	17/12/2019	24/12/2019	151.22 X 150.73 X 151.28	22792	8.468	411.7	18.1	18.3
2	Culvert Side Wall Concrete	M20	17/12/2019	24/12/2019	150.65 X 151.26 X 151.28	22788	8.268	431.4	18.9	
3	Culvert Side Wall Concrete	M20	17/12/2019	24/12/2019	151.65 X 151.14 X 149.92	22920	8.275	412.8	18.0	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 24/12/2019

Lab ID	:	**CP-2019-12-23-54**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements and Maintenance of Culvert at BHEL Mini Colony and Surrounding Area in Ward No 13 Mallasandra Shettyhalli Sub Division.
Agency	:	Sri. D.V Kumar, #657, 5th Main Road, LG Ramanna Layout, Laggere, Bangalore-58.
Customer's Reference	:	EE/DD/WO/420/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-12-19
Customer ID	:	Culvert Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/12/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Side Wall Concrete	M20	17/12/2019	24/12/2019	150.86 X 149.82 X 150.97	22602	**8.468**	424.0	18.8	18.7
2	Culvert Side Wall Concrete	M20	17/12/2019	24/12/2019	149.04 X 149.93 X 151.64	22346	**8.268**	424.2	19.0	
3	Culvert Side Wall Concrete	M20	17/12/2019	24/12/2019	149.70 X 150.16 X 151.91	22479	**8.275**	409.9	18.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 14/01/2020

Lab ID	:	**CP-2019-12-23-54**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements and Maintenance of Culvert at BHEL Mini Colony and Surrounding Area in Ward No 13 Mallasandra Shettyhalli Sub Division.
Agency	:	Sri. D.V Kumar, #657, 5th Main Road, LG Ramanna Layout, Laggere, Bangalore-58.
Customer's Reference	:	EE/DD/WO/420/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-12-19
Customer ID	:	Culvert Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	14/01/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Side Wall Concrete	M20	17/12/2019	14/01/2020	150.39 X 150.43 X 151.49	22624	**8.793**	520.6	23.0	22.8
2	Culvert Side Wall Concrete	M20	17/12/2019	14/01/2020	150.62 X 149.45 X 149.50	22511	**8.289**	496.0	22.0	
3	Culvert Side Wall Concrete	M20	17/12/2019	14/01/2020	149.84 X 150.60 X 150.80	22567	**8.616**	530.0	23.5	

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